

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

Sacramento, California 95814

Main website: www.energy.ca.govConsumer Website: www.ConsumerEnergyCenter.orgChildren's Website: www.energyquest.ca.gov

2008 Order Instituting Informational
Proceeding and Rulemaking on
Load Management Standards

Docket No. 08-DR-01

NOTICE OF EFFICIENCY
COMMITTEE WORKSHOP

Notice of Efficiency Committee Load Management Standards Workshop on Draft Proposed Standards

The California Energy Commission's Efficiency Committee will conduct a workshop on the Energy Commission staff proposed standards, as part of its Load Management Standards proceeding. Commissioner Arthur H. Rosenfeld is the presiding member, and Chairman Jackalyn Pfannenstiel is the associate member of the Committee. Other Commissioners may attend and participate in this workshop. In addition, Commissioners and officials from the California Public Utilities Commission (CPUC) and the California Independent System Operator (California ISO) will be invited to participate.

WEDNESDAY, DECEMBER 10, 2008

9:30 a.m.

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

First Floor, Hearing Room A

Sacramento, California

(Wheelchair Accessible)

Audio from this meeting will be broadcast over the Internet.

For details, please go to:

www.energy.ca.gov/webcast/

To participate in the meeting by phone, please call:

(800) 857-5742

by 9:30 a.m.

Passcode: LOAD MANAGEMENT

Call Leader: Mr. Gabriel Taylor

Purpose

The purpose of load management is to slow the rising cost of electricity and improve the reliability of the electricity grid by improving the efficiency of the generation, distribution, and consumption of electricity. Load management standards support these goals by establishing cost effective utility programs that result in improved electric system

efficiency, reduced or delayed need for new electric generation capacity, and reduced fuel consumption at existing electricity generating stations. At this workshop, the Efficiency Committee is interested in receiving input from interested parties on the *Draft Committee Proposed Load Management Standards*, to be published in late November 2008 at [http://www.energy.ca.gov/load_management/documents/].

The workshop will include discussion focused on each of the proposed Load Management Standards:

- Advanced Metering Infrastructure (AMI)
- Dynamic Electricity Rates
- Statewide Time Differentiated Rate Broadcasting
- Home Energy Rating System Information
- Existing Building Peak Energy Efficiency Improvements
- Programmable Communicating Devices
- Customer Access to Electric Meter Data

The workshop will also include opportunities for participants to briefly address the Committee, but the Committee encourages participants to also provide detailed written comments. The Committee will accept such comments both before and after the Workshop.

Background

On January 2, 2008, the Energy Commission approved an Order Instituting Informational and Rulemaking Proceeding (OII/OIR) on demand response equipment, rates, and protocols.¹ The purpose of the OII/OIR is to:

- (1) Assess which rates, tariffs, equipment, software, protocols, consumer information, and other measures would be most effective in achieving demand response.
- (2) Adopt regulations and take other appropriate actions to achieve a voluntary, price-responsive electricity market.²

The Energy Commission has longstanding authority to adopt cost-effective load management standards to reduce and shift peak demand (PRC 25403.5). Under the

¹ *Demand response* is the means by which end-use electric customers can reduce their electricity usage over a given time period, shift that usage to another time period, or contribute to grid reliability as a balancing resource in response to a price signal, a financial incentive, an environmental condition, or a reliability signal.

² In a price (demand) responsive electricity market, the price of electricity reflects either wholesale market or system operating conditions, and customers respond voluntarily by reducing consumption during higher-price periods. A fundamental element of price response is the allocation of procurement costs by time, resulting in rates that rise or fall with demand, providing incentives for customers to conserve during peak electricity usage periods or shift electricity demand from higher to lower-price periods.

broad scope established, the Energy Commission “shall consider, but need not be limited to,” the following load management techniques:

- (1) “Adjustments in rate structure to encourage the use of electrical energy at off-peak hours or to encourage control of daily electrical load.”
- (2) “End use storage systems which store energy during off-peak periods for use during peak periods.”
- (3) “Mechanical and automatic devices and systems for the control of daily and seasonal peak loads.”

On March 3, 2008, the Efficiency Committee held a scoping workshop to obtain public input on the development and possible adoption of new load management standards. The workshop included presentations from the Energy Commission, CPUC, California ISO, utilities, researchers, and invited technical experts. Discussions included review of the Energy Commission’s load management standards authority and demand response accomplishments. Participants discussed current plans and research on demand response technology advancements in California, other states, and other countries. The public and other interested parties also had an opportunity to address the Efficiency Committee.

After considering the information presented and discussed at the workshop, as well as the comments received, the Efficiency Committee published a Load Management Standards Efficiency Committee Scoping Order on April 25, 2008. This document can be found at: [http://www.energy.ca.gov/load_management/documents/2008-04-28_SCOPING_ORDER.PDF].

On April 29, 2008, the Efficiency Committee held a workshop on Smart Grid Activities and Technologies. The workshop included presentations from Energy Commission Public Interest Energy Research program, U.S. Department of Energy, California ISO, investor and publicly owned utilities, and invited technical experts. Discussions covered current utility smart grid development plans, and how state regulations could support and encourage responsible development of a smart grid.

On May 27, 2008, the Efficiency Committee held a workshop on Advanced Metering Infrastructure (AMI). The workshop included presentations from both investor-owned and publicly-owned utilities on their AMI business cases and rollout plans in addition to lessons learned in designing, developing, and deploying AMI. The discussion explored the relationship between AMI functionality and the capability of supporting different policy goals, and differences in functionality among current systems.

On June 10, 2008, the Efficiency Committee held a workshop on rate design, incentives, and market integration. The workshop included an overview of cost-based ratemaking and general rate design. Presentations from the CPUC, investor-owned utilities, and publicly-owned utilities covered current rate design policy supporting time of use (TOU)

and dynamic rates. Discussions covered rate design in support of load shifting and energy storage technologies, and how retail tariffs and programs can be integrated with wholesale markets and control area operations.

On June 19, 2008, the Efficiency Committee held a workshop on demand response and load management enabling technologies. The workshop included presentations from government, investor and publicly owned utility, industry, and academic experts on demand response and load management data communication protocols and enabling technology under development. Participants discussed enabling technology cost and availability, opportunities for technology standards, and potential barriers to technology penetration into the market. Many industry representatives attended and provided comments.

In November 2008, the Committee published a paper titled, "Draft Committee Proposed Load Management Standards", containing a discussion of the previous workshops and a collection of potential load management standards for discussion with interested parties. This workshop will be focused on the standards proposed in that paper, in preparation for submitting proposed standards to the Office of Administrative Law.

Information about each workshop, and the Energy Commission's Load Management Standards proceeding in general, can be found on the Load Management Standards proceeding web page: [http://www.energy.ca.gov/load_management/index.html].

Schedule

March 3, 2008	Scoping Workshop on the Load Management Standards Proceeding
April 29, 2008	Workshop on Smart Grid Activities and Technology
May 27, 2008	Workshop on Advanced Meter Infrastructure (AMI)
June 10, 2008	Workshop on Rate Design, Incentives, and Market Integration
June 19, 2008	Workshop on Enabling Technologies and Communications
July 10, 2008	Workshop on Customer Education and Needs
December 10, 2008	Workshop on Draft Committee Load Management Standards
January 2009	Issue Notice of Proposed Action (NOPA)
February-March 2009	45 day Comment Period on Load Management Standards
March 2009	Workshop on Proposed Load Management Standards

* Bold entries denote current and future dates.

The schedule above shows the past workshop dates and the projected dates of upcoming Efficiency Committee Workshops on the Load Management Standards proceeding. Please note dates are subject to change. If so, changes will be appropriately noticed and posted on the Load Management Standards proceeding web page. Staff reports, workshop notices, presentations, written comments, and other proceeding

documents will also be posted in the same location:
[\[http://www.energy.ca.gov/load_management/index.html\]](http://www.energy.ca.gov/load_management/index.html).

Written Comments

Written comments regarding the Draft Committee Proposed Load Management Standards must be submitted by 5:00 p.m. on Friday, December 19, 2008. *Comments submitted before 5 p.m. on Friday, December 5, 2008, will be provided to the Committee for review prior to the workshop.* Please include the docket number "08-DR-01" and indicate "Load Management Standards: Proposed Standards Comments" in the subject line and first paragraph of your comments. Please hand deliver or mail an original plus 10 paper copies to:

California Energy Commission
Dockets Office, MS-4
Re: Docket No. 08-DR-01
1516 Ninth Street
Sacramento, CA 95814-5512

The Energy Commission encourages comments by e-mail. Please include your name and your organization's name in the name of the file. Those submitting comments by electronic mail should provide them in either Microsoft Word format or Portable Document format (PDF) to [\[docket@energy.state.ca.us\]](mailto:docket@energy.state.ca.us). **One paper copy** must also be sent to the Energy Commission's Docket Unit.

Participants may also provide an original and 10 copies at the beginning of the workshop. All written materials relating to this workshop will be filed with the Dockets Unit and become part of the public record in this proceeding.

Public Participation

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this forum, please contact the Public Adviser, Elena M. Miller, at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at [\[publicadviser@energy.state.ca.us\]](mailto:publicadviser@energy.state.ca.us). If you have a disability and require assistance to participate, please contact Lou Quiroz at (916) 654-5146 at least five days in advance.

Please direct all news media inquiries to the Media Office at (916) 654-4989, or by e-mail at [\[mediaoffice@energy.state.ca.us\]](mailto:mediaoffice@energy.state.ca.us). If you have questions on the technical subject matter of this forum, please call Gabriel D. Taylor, P.E., Load Management Standards Proceeding Project Manager, at (916) 654-4482 or [\[LoadManagementOIR@energy.state.ca.us\]](mailto:LoadManagementOIR@energy.state.ca.us).

_____/S/
ARTHUR H. ROSENFELD
Commissioner and Presiding Member
Efficiency Committee

_____/S/
JACKALYNE PFANNENSTIEL
Chairman and Associate Member
Efficiency Committee

Mail List Server: [energypolicy](#) (IEPR); [appliances](#) (Appliances); [efficiencywg](#) (Title-24); [loadmanagement](#) (Load Management); [electricity](#) (Electricity)

Note: California Energy Commission's formal name is State Energy Resources Conservation and Development Commission.